

Supera Color LCD TV Box

User's Manual

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Limited Warranty

IN NO EVENT SHALL THE DIRECT VENDOR'S LIABILITY EXCEED THE PRICE PAID FOR THE PRODUCT FROM THE DIRECT, INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THE PRODUCT, DISK OR ITS

DOCUMENTATION.

The direct vendor makes no warranty or representation, expressed, implied, or statutory with respect to the contents or use of this documentation, and specially disclaims its quality, performance, merchantability, or fitness for any particular purpose.

The direct vendor also reserves the right to revise or update the device or documentation without obligation to notify any individual or entity of such revisions, or update. For further inquiries please contact your direct vendor.

FCC Information

This equipment has been tested and found to comply with the limits for a Class B digital device pursuant to Subpart J of Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that which the receiver is connected.
- Consult the dealer or an experienced radio/television technician for help.

FCC Warning

To assure continued FCC compliance the user must use grounded power supply core and the provided shielded video interface cable with bonded ferrite cores. If a BNC cable is going to be used, use only a shielded BNC(5) cable. Also, any unauthorized changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this device.

1 Product Name:

This manual is for Geniatech Supera color LCD TV Box

2 Introduction:

The Supera Color LCD TV BOX is a state-of-the-art TV to PC VGA/XVGA/SXGA converter box. The compact unit easily turns your LCD/CRT monitor, plasma display or projector all that has a VGA input connector devices into a multimedia center with small desktop space. With a built-in TV tuner and multiple video ports, you can connect DVD players, digital video cameras, VCRs or even game consoles to your PC, and view high quality video in full-screen, high-resolution images.

The full screen display resolution is up to 1280x1024 with refresh rate from 60Hz and it is most suitable to use 19" or bigger PC monitor to watch TV program, like football game, movie and any show you want! The User-friendly OSD (On Screen Display) can let you easily use brightness, contrast and hue adjustment for better video quality! The full function remote controller can help you to make the channel selection, input source switching, volume adjustment, and etc.

With Enhanced 3D motion adaptive de-interlacing, LCD TV BOX provides high quality picture and gives sharp & stable image output to LCD and/or CRT monitor

2.1 Features

- LCD TV BOX can provide high quality picture with sharp, stable image output to VGA/SVGA/XGA/SXGA
- LCD TV BOX I output mode can be changed from 640*480, 800*600, 1024*768 to 1280 * 1024 (60Hz)
- Compatible for Multi Signal inputs: TV, Video, S-Video, and PC.
- Automatic source mode detection (NTSC/PAL/SECAM for video S-Video)
- TV Channels auto scanning and memorize
- Brightness/Contrast/Saturation/Color/Sharpness/Gamma Adjustment
- Provide user-friendly OSD (on screen display) for function control
- No software or driver required. No PC compatibility problem
- Compact standing body (Supera Color) and easy installation, no need to uncover PC case
- With Multi-Language OSD Selection
- Full function remote controller
- PAL B/G、D/K/I、NTSC and SECAM Standard (ONE standard in same time)

2.2 Specifications

- Video input
 - TV Input: Coaxial (RF)
 - Composite Video Input
 - S-Video Input
 - VGA Input: 8 pin (Mini DIN)-15 pin (DB15)
- Video Output
 - VGA Output: 15 pin DB
- Audio input
 - Composite Audio Input
 - From PC Sound card Line-In

- Audio output
 - Audio Output to Sound Enclosure or Sound card Line in

2.3 System Requirements

- No specific PC system required
- VESA compatible VGA monitor, such as LCD, CRT monitor, plasma display or projector all that has a VGA input connector devices.
- Video input device (e.g. Cable, Antenna, VCR, V8, LD player, TV game machine and etc.)

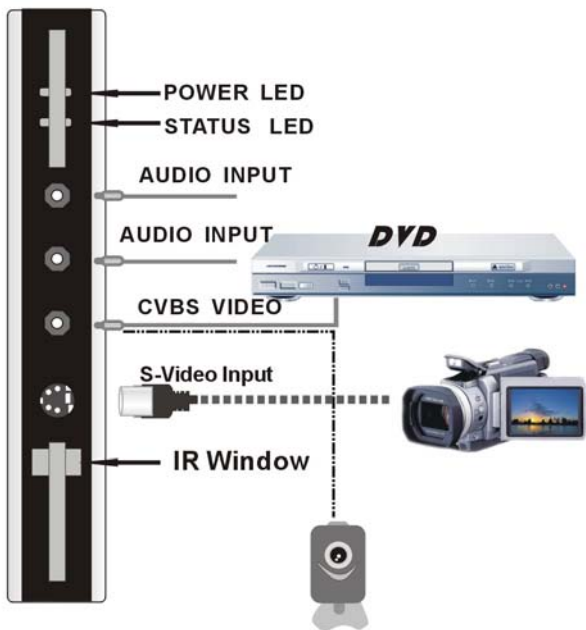
2.4 Accessories

LCD TV BOX (Supera Color)
LCD TV BOX holder
User's Manual (This manual)
Audio Cable
IR Remote
CVBS Cable
Power adapter (Switching, 110-240V AC, 7.5V1A DC)
8 pin – DB 15 cable

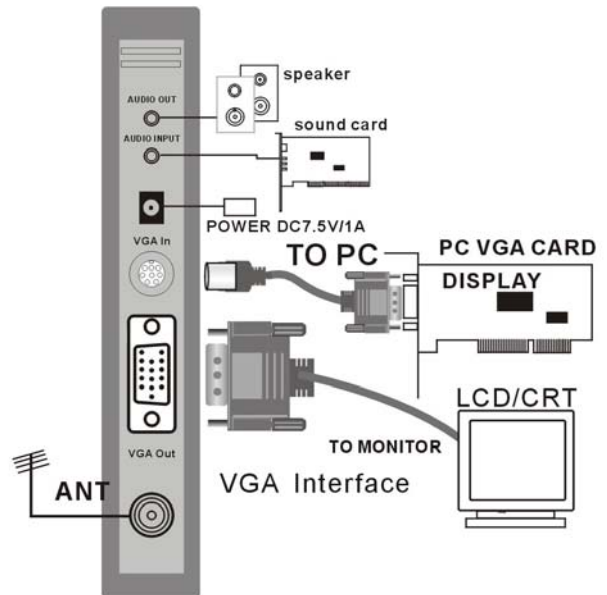
3 Hardware Installation

Connection

Front side



Reverse side



Shut off the power of LCD TV BOX and PC Monitor

1. Connect the to monitor, PC and LCD TV BOX (Please match the right color).
2. Connect the sound enclosure or other device which has sound input jack device (for a example, your sound card's Line In port), to LCD TV Box's Line Out port.
3. Connect the Cable TV Antenna to LCD TV BOX' s antenna input.
4. Connect the AC/DC power converter's output to LCD TV BOX, LCD TV BOX will auto power on.
5. Connect video and/or S-video in port to the Video device's (DVD/VCD/VCR/PS2/Gamestation) video out port.

Caution: When you first use this new LCD TV BOX, please first select **SEARCH** item in **MENU** and press "MENU" to start one time full auto-scan all the channels. This procedure will takes 5-10 minutes, and the status LED will blinking when on processing.

4 IR Remote and key description

IR Remote and key description

<p>Super Color LCD TV BOX</p>	1 Mute: Mute on/off
	2 Power: Power on/off
	3 0 - 9: 0-9 keys
	4 -/--: digit
	5 return to previous channel
	6 DAYLIGHT: 设置不同的画面效果，预设有标准、柔和、艳丽、明亮四种画面效果模式
	7 CRT/LCD: 提供相对应显示器的显示模式.
	8 RES: change resolution
	9 AUDIO ONLY:画外音
	10 OSD: OSD on/off
	11 CH+/CH-: channel up and down VOL+/VOL-: Volume up and down MENU: Invoke menu
	12 AV/TV: Video source select TV—PC (VGA) —CVBS—S-Video
	13 B+ B-:亮度增加减少 S+ S-:饱和度增加减少 C+ C-:对比度增加减少 H+ H-:灰度增加减少

5 Menu options

Press "MENU" button to enter the menu option, press "Channel up and down" select the option you want to change or look up, then press "MENU" to enter, press " VOLUME + and -" changing the value. Select "EXIT " and press "MENU" when finish

Main Menu	Sub Items	Description
Color →	↓	Enter Color sub setting.
	Brightness	Adjust brightness of image.
	Contrast	Adjust contrast of image.
	Saturation	Adjust saturation of image.
	Hue	Adjust hue of image
	Default	Set all color setting to default value.
	Return	Return to up menu.
Video →	↓	Enter Video sub setting
	Standard	PAL/NTSC/SECAM
	Return	Return to up menu
Channel →	↓	Enter Video sub setting.
	TV System Standard	NTSC/PAL-M/PAL-N/PAL-B-G/PAL-D-K/(Depends on Tuner)
	Auto Scan	Take auto scan channel action (high speed, recommended).
	Full Scan	Take full frequency scan (low speed).
	Fine Tune	Finely adjust the frequency of the current channel
	Skip	Skip the current channel
	Return	Return to up menu
Display →	↓	Enter Display sub setting.
	VGA	640 X 480
	SVGA	800 X 600
	XGA	1024 X 768
	SXGA	1280 X 1024
	W1440S	W1440S
	W1280S	W1280S
	W1440P	W1440P
	Return	Return to up menu
OSD →	↓	Toggle OSD
	Pos.X	OSD Movie X
	Pos.Y	OSD Movie Y
	Return	Return to up menu
Language →	↓	Select language
	English	English language
	簡中	Chinese language
	繁中	Chinese language
	Portuguese	Portuguese language
Exit →		Exit menu mode.

6. Trouble shooting

Description	Hints
No picture and no sound (Even noise)	<ol style="list-style-type: none"> 1. Power LED off: Please check the AC/DC adaptor, the power connector; 2. Power LED on: check the monitor and sound device connection
Picture is ok but no sound (Even nose)	<ol style="list-style-type: none"> 1. Check the sound device connection 2. Check if mute key is pressed 3. Check if volume is lower to the end of minimum 4. Check sound device's volume setting
No picture but sound is Ok	<ol style="list-style-type: none"> 1. Check the connection between monitor and LCD TV BOX 2. Check if the monitor is power off 3. Check the monitor is not in power saving status 4. Check if your monitor cannot support high resolution, please change to other resolution by press the RES key, wait a moment to see if it is ok, or press RES key once more to another resolution.
No color	<ol style="list-style-type: none"> 1. TV cable signal is too weak 2. Check the Saturation setting
REMOTE problem	<ol style="list-style-type: none"> 1. Check the IR sender's batteries 2. Check if too much dust on the sender

7. Frequency Asked Questions

Q: Why I need 1280X1024 resolution?

A: For CRT monitor, you can find more than one resolution at which you can get better display quality, but for LCD monitor, one panel only have one resolution at you can get the best display quality, others are not so good, even you can say its no good, normally, 15" LCD monitor's best resolution and highest resolution is 1024X768, for 17" and 19", its best and highest resolution is 1280X1024.

Q: What is the difference between LCD TV BOX and other such 640*480 level TV box (for an example, TV box V for CRT)?

A: The key difference is our LCD TVBOX has a 9 bit input ADC and have a digital de-interlacer inside our main chip, which improves the picture quality.